



STATEMENT OF INFORMATION PROVIDED
BY APPLICANT
(Use several sheets if necessary)

ATTY. DOCKET NO.
TH1647 07 (US)

APPLICATION NUMBER
10/817,640

APPLICANT
C. L. Edwards et al.

FILING DATE
April 2, 2004

GROUP ART UNIT

REFERENCE DESIGNATION: U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Patentee	Class	Subclass	Filing Date If Appropriate
<i>for</i>	AA	3,875,202	4/1/75	Steckler	260	458	
<i>for</i>	AB	4,814,514	3/21/89	Yokota et al.	568	608	
<i>for</i>	AC	4,885,379	12/5/89	Abend	558	34	
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation	
							Yes	No
<i>for</i>	AL	JP 10237497	9/8/98	Japan (English Abstract)	C11D	7/54		X
<i>for</i>	AM	JP 03261779	11/21/91	Japan (English Abstract)	C07D	309/24		X
<i>for</i>	AN	JP 06073045	3/15/94	Japan (English Abstract)	C07D	323/00		X
	AO							

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

	AR	
	AS	
	AT	
EXAMINER	<i>V. or</i>	DATE CONSIDERED <i>Nov 2005</i>

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

- The attached cited information should not be construed as an admission that any of the above items are prior art to the subject invention.
- This is not a representation that a search has been made.

FORM PTO-1449 (Modified) LIST OF INFORMATION PROVIDED BY APPLICANT (Use several sheets if necessary)				ATTY. DOCKET NO. TH1647 07 (US)		APPLICATION NUMBER	
				APPLICANT C. L. Edwards et al.			
				FILING DATE		GROUP ART UNIT	

REFERENCE DESIGNATION		U.S. PATENT DOCUMENTS					
Examiner Initial	Document No.	Date	Patentee	Class	Subclass	Filing Date If Appropriate	
No ↑ ↓ No	AA	3,676,523	7/11/72	Mason	260	683.15D	
	AB	3,686,351	8/22/72	Mason	260	683.15D	
	AC	3,737,475	6/5/73	Mason	260	683.15D	
	AD	3,825,615	7/23/74	Lutz	260	683.15D	
	AE	4,020,121	4/26/77	Kister et al.	260	683.15D	
	AF	4,021,447	5/3/77	Rubin et al.	260	326.8	
	AG	3,702,886	11/14/72	Argauer et al.	423	328	
	AH	3,709,979	1/9/73	Chu	423	328	
	AI	3,832,449	8/27/74	Rubin et al.			
FOREIGN PATENT DOCUMENTS							
	Document No.	Date	Country	Class	Subclass	Translation Yes No	
No ↑ ↓ No	AL	WO 94/05761	3/17/94	World	C11D	3/10	
	AM	1,429,143	3/24/76	Great Britain	C11D	10/02	
	AN	WO 99/42553	8/26/99	World	C11D	3/43	
	AO	0,884,298 A2	12/16/98	Europe	C07C	43/10	X
OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)							
No	AR	Myers, Drew, "Surfactant Science and Technology," pp. 82-85, VCH Publishers, Inc. (New York, NY, USA) 1988 (ISBN 0-89573-399-0)					
No	AS	K. Shinoda, "Principles of Solution and Solubility," translation in collaboration with Paul Becher, published by Mercel Dekker, Inc. 1978, pp. 292-304					
No	AT	Reid, V.W., G.F. Longman and E. Heinerth, "Determination of Anionic-Active Detergents by Two-Phase Titration," <u>Tensile</u> 4, 1967, pp. 292-304					
EXAMINER [Signature]			DATE CONSIDERED Nov 2005				

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

1. The attached cited information should not be construed as an admission that any of the above items are prior art to the subject invention.
2. This is not a representation that a search has been made.

FORM PTO-1449 (Modified) LIST OF INFORMATION PROVIDED BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. TH1647 05 (US)	APPLICATION NUMBER
	APPLICANT C. L. Edwards et al.	
	FILING DATE	GROUP ART UNIT

REFERENCE DESIGNATION		U.S. PATENT DOCUMENTS					
Examiner Initial		Document Number	Date	Patentee	Class	Subclass	Filing Date If Appropriate
↕	BA	4,482,531	11/13/84	Kuehl	423	329	
↕	BB	3,950,496	4/13/76	Ciric	423	328	
↕	BC	3,972,983	8/3/76	Ciric	423	328	
↕	BD	4,046,859	9/6/77	Plank et al.	423	328	
↕	BE	4,247,416	1/27/81	Doherty et al.	252	428	
↕	BF	4,086,186	4/25/78	Rubin et al.	252	430	
↕	BG	4,046,859	9/6/77	Plank et al.	423	328	
↕	BH	4,287,166	9/1/81	Dwyer et al.	423	325	
↕	BI	4,247,728	1/27/81	Rubin et al.	585	467	

FOREIGN PATENT DOCUMENTS								
		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
P43	BL	06073045	3/15/94	Japan	C07D	273/08	X	
↕	BM	03261779	11/21/91	Japan	C07D	309/24	X	
↕	BN	JP 11-349507	12/21/99	Japan	C07C	43/11	X	
↕	BO	100 20 899 A1	10/25/01	Germany	C07D	493/04	X	

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)		
↕	BR	B. E. Gordon, H. Roddewig and W. T. Shebs, "A Double Label Radiotracer Approach to Detergency Studies," Journal of American Oil Chemists' Society, Vol. 44, No. 5 (1967) pp. 289-294
↕	BS	W. T. Shebs and B. E. Gorden, "Improvements in Detergency Precision With Radioactive Soil," Journal of American Oil Chemists' Society, Vol. 45, No. 5 (1968) pp. 377-380
↕	BT	W. T. Shebs, "Radioisotope Techniques in Detergency," Chapter 3, <u>Detergency Theory and Technology</u> , Marcel Dekker, Inc., New York (1987) pp. 125-191

EXAMINER [Signature]	DATE CONSIDERED Nov 2008
--------------------------------	------------------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

- The attached cited information should not be construed as an admission that any of the above items are prior art to the subject invention.
- This is not a representation that a search has been made.

FORM PTO-1449 (Modified) LIST OF INFORMATION PROVIDED BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. TH1647 05 (US)	APPLICATION NUMBER
	APPLICANT C. L. Edwards et al.	
	FILING DATE	GROUP ART UNIT

REFERENCE DESIGNATION		U.S. PATENT DOCUMENTS					
Examiner Initial		Document No.	Date	Patentee	Class	Subclass	Filing Date If Appropriate
1/4	CA	4,495,303	1/22/85	Kuehl	502	62	
1	CB	4,397,827	8/9/83	Chu	423	326	
	CC	4,640,829	2/3/87	Rubin	423	328	
	CD	4,568,654	2/4/86	Valyocsik	502	62	
	CE	4,698,217	10/6/87	Valyocsik	423	328C	
	CF	4,647,442	3/3/87	Derouane et al.	423	306	
	CG	4,619,818	10/28/86	Derogane et al.	423	306	
4	CH	4,954,325	9/4/90	Rubin et al.	423	328	
1/4	CI	5,236,575	8/17/93	Bennett et al.	208	46	

FOREIGN PATENT DOCUMENTS							
		Document No.	Date	Country	Class	Subclass	Translation Yes No
	CL						
	CM						
	CN						
	CO						

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)		
1/4	CR	Roger Hunter et al., "Allylation Using Allylborates," TETRAHEDRON, Vol. 50, No. 3, 1994, pp. 871-888
	CS	Birgit Bartels et al., "A Selectivity of Activated Ketal Reduction With Borane Dimethyl Sulfide," JOURNAL OF ORGANIC CHEMISTRY, Vol. 58, No. 24, 1993, pp. 6756-6765
	CT	T. Hosokawa et al., "Palladium (II)-Catalyzed Acetalization of Terminal Olefins Bearing Electron-Withdrawing Substituents With Optically Active Diols," JOURNAL OF ORGANIC CHEMISTRY, Vol. 52, 1987, pp. 1958-1764
EXAMINER 1/4		DATE CONSIDERED Nov 2005

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

- The attached cited information should not be construed as an admission that any of the above items are prior art to the subject invention.
- This is not a representation that a search has been made.

FORM PTO-1449 (Modified) LIST OF INFORMATION PROVIDED BY APPLICANT (Use several sheets if necessary)				ATTY. DOCKET NO. TH1647 05 (US)		APPLICATION NUMBER	
				APPLICANT C. L. Edwards et al.			
				FILING DATE		GROUP ART UNIT	

REFERENCE DESIGNATION			U.S. PATENT DOCUMENTS				
Examiner Initial	Document Number	Date	Patentee	Class	Subclass	Filing Date If Appropriate	
<i>AD</i> <i>A</i>	DA	3,308,069	3/7/67	Wadlinger et al.	252	455	
	DB	Re. 28,341	2/18/75	Wadlinger, et al.	208	120	
	DC	3,058,805	10/16/62	Weber	23	113	
	DD	3,130,007	4/21/64	Breck	23	113	
	DE	3,996,337	12/7/76	Stabenow et al.	423	328	
	DF	4,440,871	4/3/84	Lok et al.	502	214	
	DG	5,059,567	10/22/91	Linsten et al.	502	64	
	DH	3,462,525	8/19/69	Levinsky	424	56	
<i>AD</i>	DI	3,428,654	2/18/69	Rubinfeld et al.	260	327	

FOREIGN PATENT DOCUMENTS							
	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
	DL						
	DM						
	DN						
	DO						

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)		
<i>AD</i>	DR	F. Wang et al., Synlett, (1998) pp. 245-245
<i>AD</i>	DS	A. A. Volkov et al., Dokl. Chem. 283, (1985), pp. 246-248
<i>AD</i>	DT	International Search Report of 5 July 2002

EXAMINER <i>ADN</i>	DATE CONSIDERED <i>Nov 2005</i>
-------------------------------	---

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

1. The attached cited information should not be construed as an admission that any of the above items are prior art to the subject invention.
2. This is not a representation that a search has been made.

FORM PTO-1449 (Modified) LIST OF INFORMATION PROVIDED BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. TH1647 05 (US)	APPLICATION NUMBER
	APPLICANT C. L. Edwards et al.	
	FILING DATE	GROUP ART UNIT

REFERENCE DESIGNATION		U.S. PATENT DOCUMENTS					
Examiner Initial		Document Number	Date	Patentee	Class	Subclass	Filing Date If Appropriate
147	EA	3,420,875	1/7/69	Di Salvo et al.	260	513	
147	EB	3,506,580	4/14/70	Rubinfeld et al.	252	138	
	EC	3,579,537	5/18/71	Rubinfeld et al.	260	327	
	ED	3,524,864	8/18/70	Rubinfeld et al.	260	327	
	EE	5,057,627	10/15/91	Edwards	568	618	
	EF	6,087,311	7/11/00	Van Dijk	510	294	
	EG	6,083,893	7/4/00	Zint et al.	510	221	
	EH	6,159,920	12/12/00	Ridyard	510	324	
147	EI	6,153,574	11/28/00	Janssen	510	224	

FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation Yes No
	EL						
	EM						
	EN						
	EO						

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
ER	Anionic Surfactants, Volume 7, Part I, edited by Warner M. Linfield, 1976 by Marcel Dekker, Inc.
ES	
ET	

EXAMINER 147	DATE CONSIDERED Nov 2005
------------------------	------------------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

- The attached cited information should not be construed as an admission that any of the above items are prior art to the subject invention.
- This is not a representation that a search has been made.

FORM PTO-1449 (Modified) LIST OF INFORMATION PROVIDED BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. TH1647 05 (US)	APPLICATION NUMBER
	APPLICANT C. L. Edwards et al.	
	FILING DATE	GROUP ART UNIT

REFERENCE DESIGNATION U.S. PATENT DOCUMENTS							
Examiner Initial		Document No.	Date	Patentee	Class	Subclass	Filing Date If Appropriate
P ↑	FA	2,778,855	1/22/57	Shokal et al.	260	613	
	FB	4,503,275	3/5/85	Harris et al.	568	866	
	FC	4,317,938	3/2/82	Lutz	568	619	
	FD	4,721,816	1/26/88	Edwards	568	618	
	FE	4,721,817	1/26/88	Edwards	518	618	
	FF	2,808,442	10/1/57	Smith et al.	260	611	
	FG	5,912,408	6/15/99	Trinh et al.	8	142	
P ↓	FH	4,544,512	10/1985	Hozumi et al.	558	169	
	FI	Ser. No. 10/025,080	12/19/01	Edwards et al.			

FOREIGN PATENT DOCUMENTS							
		Document No.	Date	Country	Class	Subclass	Translation Yes No
	FL						
	FM						
	FN						
	FO						

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)							
	FR						
	FS						
	FT						

EXAMINER P. J. A.	DATE CONSIDERED Nov 2005
-----------------------------	------------------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

- The attached cited information should not be construed as an admission that any of the above items are prior art to the subject invention.
- This is not a representation that a search has been made.